

ABSTRACT OF THE DISCLOSURE

A squaring circuit squares a radio transmission signal. A band-pass filter extracts a spectrum component corresponding to a desired channel, from that 5 low-frequency component of the output of the squaring circuit, which occurs with a center thereof being present near a DC (Direct Current). A level measuring circuit measures the level of the extracted spectrum component. On the other hand, another band-pass filter 10 extracts, from the output of the squaring circuit, a spectrum component corresponding to spectrum spreading due to a distortion in a transmission circuit. Another level measuring circuit measures the level of this extracted spectrum component. A level radio measuring 15 circuit measures a ratio between the level measured by the level measuring circuit and the level measured by the other level measuring circuit, and produces the measured result as a ratio of a leak power to an adjacent channel.